TROUBLE DETECTOR FOR COIL

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JP58066070

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Inventor:

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Applicant:

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- european:

G01R31/06

Application number:

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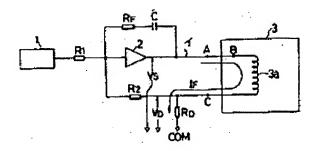
Priority number(s):

JP19810164442 19811015

Abstract of JP58066070

PURPOSE:To handle the trouble in a coil current control circuit quickly while protecting it by detecting the disconnection and short-circuit of a coil in the circuit having a feedback circuit of a coil current.

CONSTITUTION: Disconnections of a coil 3a are possible at points A, B and C, where a short-circuit occurs at the points A and C. When a disconnection occurs, the voltage VD of the resistance RD zeros and the voltage VS rises to let current IF flow. When a short circuit occurs, the VS falls because of VS=VD. But as current fails to flow through the coil 3a, command from a command section 1 increases and the VD itself rises. When higher and lower levels are represented by H and L as compared with the reference value, the voltages of the coil are as shown by the table. This facilitates the determination on whether the coil is normal or in trouble.



4 F	V.	70	和竞
1	H	H.	E #
2 ·	Ж	L	斯曲
8	L	H	经棒
4	T.	L	正 雅

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(54) TROUBLE DETECTOR FOR COIL

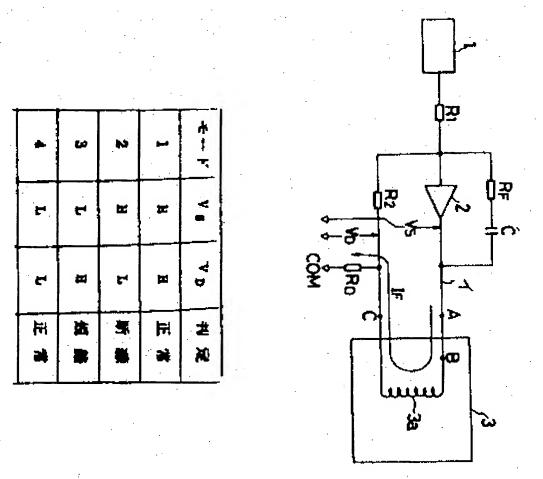
(57) Abstract:

PURPOSE: To handle the trouble in a coil current control circuit quickly while protecting it by detecting the disconnection and short-circuit of a coil in the circuit having a feedback circuit of a coil current.

CONSTITUTION: Disconnections of a coil 3a are possible at points A, B and C, where a short-circuit occurs at

by the table. This facilitates the determination on whether the coil is compared with the reference value, are represented by H and L as current fails to flow through the coil normal or in trouble. the voltages of the coil are as shown section 1 increases and the VD itself 3a, command from a command of the resistance RD zeros and the rises. When higher and lower levels VS falls because of VS=VD. But as voltage VS rises to let current IF disconnection occurs, the voltage VD the points A and C. When a flow. When a short circuit occurs, the

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